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**From:** Tonnesen, Gail [Tonnesen.Gail@epa.gov]  
**Sent:** 3/17/2014 4:18:17 PM  
**To:** Mike Newchurch [mike@nsstc.uah.edu]  
**CC:** Brad Pierce - NOAA Federal [brad.pierce@noaa.gov]; Payton, Richard [Payton.Richard@epa.gov]; Reddy - CDPHE, Patrick [patrick.reddy@state.co.us]  
**Subject:** FW: Possible stratospheric intrusion March 17 and 18 next week  
**Attachments:** Possible\_SI\_March\_17\_2014.pptx

Hi Mike,

I'm forwarding a PPT from Brad with his RAQMS forecast of a stratospheric intrusion passing over the southeast today and tomorrow. It would be interesting to see if you can measure this with your lidar.

Thanks,  
Gail  
303-312-6113

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**From:** Brad Pierce - NOAA Federal [mailto:brad.pierce@noaa.gov]  
**Sent:** Monday, March 17, 2014 9:10 AM  
**To:** Reddy - CDPHE, Patrick  
**Cc:** Briggs, Kevin; Tonnesen, Gail; Payton, Richard  
**Subject:** Re: Possible stratospheric intrusion March 17 and 18 next week

Pat,

I've attached the IDEA-I trajectory forecast from CrIS descending orbit measurements on 03/16 which show moderately high (>88ppbv) ozone descending over the 4-corners and SSW by this evening. I've also included the RAQMS O3/CO forecast which shows how this ozone is influenced by trans-pacific pollution transport. Not any significant signatures at the surface, but RAQMS is currently underestimating surface ozone in rural areas of the inter-mountain west.

Gail, I can summarize this event and the beta release of the IDEA-I trajectory forecast at the SI working group meeting if you would like.

Brad

On Fri, Mar 14, 2014 at 11:28 AM, Reddy - CDPHE, Patrick <patrick.reddy@state.co.us> wrote:  
Greetings,

It looks like there might be an intrusion event from northern Nevada through northern Utah into southern Colorado on Monday March 17 through the morning of March 18. This might be a good event to look at with the new IDEA tool.

Pat

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Patrick J. Reddy

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